LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM041279.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	364	371	381	rBV	2513273	3679341	20.68%	1.059%
2	6.981	639	645	661	rVB	2611465	4060692	22.82%	1.169%
3	7.792	777	783	792	rBV	595013	935802	5.26%	0.269%
4	8.975	976	984	994	rBV	1729511	2839631	15.96%	0.818%
5	9.992	1151	1157	1161	rBV2	857980	1668967	9.38%	0.481%
6	10.098	1169	1175	1185	rBV	371390	961398	5.40%	0.277%
7	10.604	1248	1261	1264	rBV	827713	1547166	8.70%	0.445%
8	10.657	1264	1270	1276	rVB	4283171	6913745	38.86%	1.991%
9	11.645	1434	1438	1442	rVV	467687	873012	4.91%	0.251%
10	11.704	1442	1448	1453	rVV3	425014	1053471	5.92%	0.303%
11	11.798	1459	1464	1477	rVV2	486379	1119484	6.29%	0.322%
12	12.122	1508	1519	1523	rVV4	395419	1021264	5.74%	0.294%
13	12.275	1539	1545	1552	rVB	6115520	9627334	54.11%	2.772%
14	12.504	1571	1584	1591	rBV	8288384	13793282	77.53%	3.971%
15	13.080	1676	1682	1688	rVV	4862992	6718552	37.76%	1.934%
16	13.292	1712	1718	1723	rVV	1277830	1847079	10.38%	0.532%
17	13.433	1737	1742	1746	rVV2	653038	1168181	6.57%	0.336%
18	13.486	1746	1751	1763	rVV	2071517	4616115	25.95%	1.329%
19	13.639	1767	1777	1783	rVV2	3557538	8971030	50.42%	2.583%
20	13.704	1783	1788	1793	rVV	853704	1295790	7.28%	0.373%
21	13.786	1794	1802	1807	rVV	6193150	11716062	65.85%	3.373%
22	13.839	1807	1811	1819	rVV	3621714	5814209	32.68%	1.674%
23	13.916	1819	1824	1830	rVV	847502	1393323	7.83%	0.401%
24	14.021	1832	1842	1845	rVV	3225112	5001499	28.11%	1.440%
25	14.051	1845	1847	1860	rVV2	1250605	1836782	10.32%	0.529%
26	14.186	1864	1870	1880	rVB	4517662	6460126	36.31%	1.860%
27	14.439	1906	1913	1915	rBV	1279469	2121821	11.93%	0.611%
28	14.463	1915	1917	1922	rVV	1389597	1684203	9.47%	0.485%
29	14.527	1922	1928	1936	rVV2	3228748	5753285	32.34%	1.656%
30	14.680	1946	1954	1961	rBV3	1337371	3141286	17.66%	0.904%
31	14.751	1961	1966	1973	rBV3	608915	1134615	6.38%	0.327%
32	14.863	1973	1985	1992	rVV2	2079764	5265154	29.59%	1.516%
33	14.939	1992	1998	2003	rVV	2303335	3181354	17.88%	0.916%
34	15.080	2014	2022	2027	rBV3	2231893	4814810	27.06%	1.386%
35	15.133	2027	2031	2035	rVV	1672612	2430900	13.66%	0.700%
36	15.233	2044	2048	2050	rVV2	1092782	1553683	8.73%	0.447%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.257	2050	2052	2055	rVV	1231290	1530293	8.60%	0.441%
38	15.286	2055	2057	2062	rVB2	988743	1234184	6.94%	0.355%
39	15.339	2062	2066	2072	rBV	1424412	1942383	10.92%	0.559%
40	15.463	2084	2087	2091	rVB	1210195	1437204	8.08%	0.414%
41	15.521	2091	2097	2108	rVB2	4144351	8047992	45.23%	2.317%
42	15.727	2127	2132	2140	rBV	1172990	1867059	10.49%	0.538%
43	15.810	2140	2146	2152	rBV3	801448	1742212	9.79%	0.502%
44	15.863	2152	2155	2161	rVB3	565992	925245	5.20%	0.266%
45	15.933	2162	2167	2169	rBV	2053444	2771889	15.58%	0.798%
46	15.968	2169	2173	2179	rVB	4405576	6340158	35.64%	1.825%
47	16.192	2206	2211	2216	rVB2	1342093	2039056	11.46%	0.587%
48	16.580	2273	2277	2282	rVB	2239456	2885018	16.22%	0.831%
49	16.674	2289	2293	2297	rBV	1506968	2053483	11.54%	0.591%
50	16.886	2325	2329	2336	rVV3	1076807	1657813	9.32%	0.477%
51	17.045	2347	2356	2363	rVB	2983250	5467678	30.73%	1.574%
52	17.227	2381	2387	2390	rBV	1508491	2286334	12.85%	0.658%
53	17.280	2390	2396	2400	rVB	11955072	17791662	100.00%	5.122%
54	17.362	2405	2410	2414	rVV	3080964	4105039	23.07%	1.182%
55	17.421	2414	2420	2424	rVV3	1050654	2204184	12.39%	0.635%
56	17.462	2424	2427	2430	rVV	695457	862692	4.85%	0.248%
57	17.498	2430	2433	2444	rVB3	597826	1503347	8.45%	0.433%
58	17.639	2452	2457	2465	rBV3	635268	1625147	9.13%	0.468%
59	17.809	2482	2486	2492	rVB	2287862	3098237	17.41%	0.892%
60	17.957	2505	2511	2517	rVB	1619566	3013576	16.94%	0.868%
61	18.109	2531	2537	2542	rVV	4649510	8936486	50.23%	2.573%
62	18.157	2542	2545	2551	rVB	5055775	6957628	39.11%	2.003%
63	18.239	2554	2559	2565	rVV	2258684	3475947	19.54%	1.001%
64	18.304	2565	2570	2574	rVV2	5529581	10419067	58.56%	3.000%
65	18.345	2574	2577	2585	rVB	3702251	4759420	26.75%	1.370%
66	18.504	2600	2604	2609	rVB	912909	1283410	7.21%	0.370%
67	18.609	2617	2622	2626	rVV2	1765205	2865509	16.11%	0.825%
68	18.662	2629	2631	2640	rVB2	1027745	1495587	8.41%	0.431%
69	18.827	2655	2659	2662	rBV	858541	1282366	7.21%	0.369%
70	18.856	2662	2664	2669	rVV2	978294	1496185	8.41%	0.431%
71	18.909	2669	2673	2676	rVV	1585017	2275154	12.79%	0.655%
72	18.951	2676	2680	2684	rVB3	1204445	1782042	10.02%	0.513%
73	19.033	2689	2694	2699	rBV	3818020	6341907	35.65%	1.826%
74	19.098	2700	2705	2708	rBV3	1397071	2134352	12.00%	0.614%
75	19.168	2713	2717	2721	rBV	1053129	2070639	11.64%	0.596%
76	19.298	2734	2739	2744	rBV	5793023	8229128	46.25%	2.369%

LSC Area Percent Report

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Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.356	2744	2749	2753	rVV4	910934	1905290	10.71%	0.549%
78	19.398	2753	2756	2761	rVV3	910718	1590578	8.94%	0.458%
79	19.451	2761	2765	2770	rVB	1504011	2006142	11.28%	0.578%
80	19.539	2775	2780	2783	rBV2	1342733	1936097	10.88%	0.557%
81	19.568	2783	2785	2792	rVB3	820487	1002910	5.64%	0.289%
82	19.668	2792	2802	2809	rBV	8354989	12697218	71.37%	3.656%
83	19.739	2809	2814	2819	rVB	1092035	1640415	9.22%	0.472%
84	19.862	2831	2835	2839	rBV	6026411	7198465	40.46%	2.072%
85	19.898	2839	2841	2847	rVB2	771191	957949	5.38%	0.276%
86	19.986	2851	2856	2865	rVB3	1057531	2744108	15.42%	0.790%
87	20.156	2882	2885	2893	rVB	2197151	3259751	18.32%	0.939%
88	20.262	2899	2903	2907	rVB	1534734	1924450	10.82%	0.554%
89	20.315	2908	2912	2916	rBV	1569885	2073445	11.65%	0.597%
90	20.456	2933	2936	2940	rBV	1492153	2010388	11.30%	0.579%
91	20.503	2940	2944	2951	rVB	1792498	2458988	13.82%	0.708%
92	21.074	3038	3041	3045	rVV	1134314	1475147	8.29%	0.425%
93	21.115	3045	3048	3053	rVV3	495352	894768	5.03%	0.258%
94	21.421	3095	3100	3105	rBV3	2895854	5992331	33.68%	1.725%
95	21.468	3105	3108	3117	rVV	2612884	3525146	19.81%	1.015%
96	22.003	3196	3199	3205	rVB	1116731	1402130	7.88%	0.404%
97	23.091	3380	3384	3389	rBV	591107	1255203	7.06%	0.361%
98	23.597	3467	3470	3477	rVB	839203	1442628	8.11%	0.415%
99	23.703	3483	3488	3498	rVB	1370022	2535893	14.25%	0.730%
100	23.809	3502	3506	3511	rVB	679730	1151992	6.47%	0.332%

Sum of corrected areas: 347332592

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
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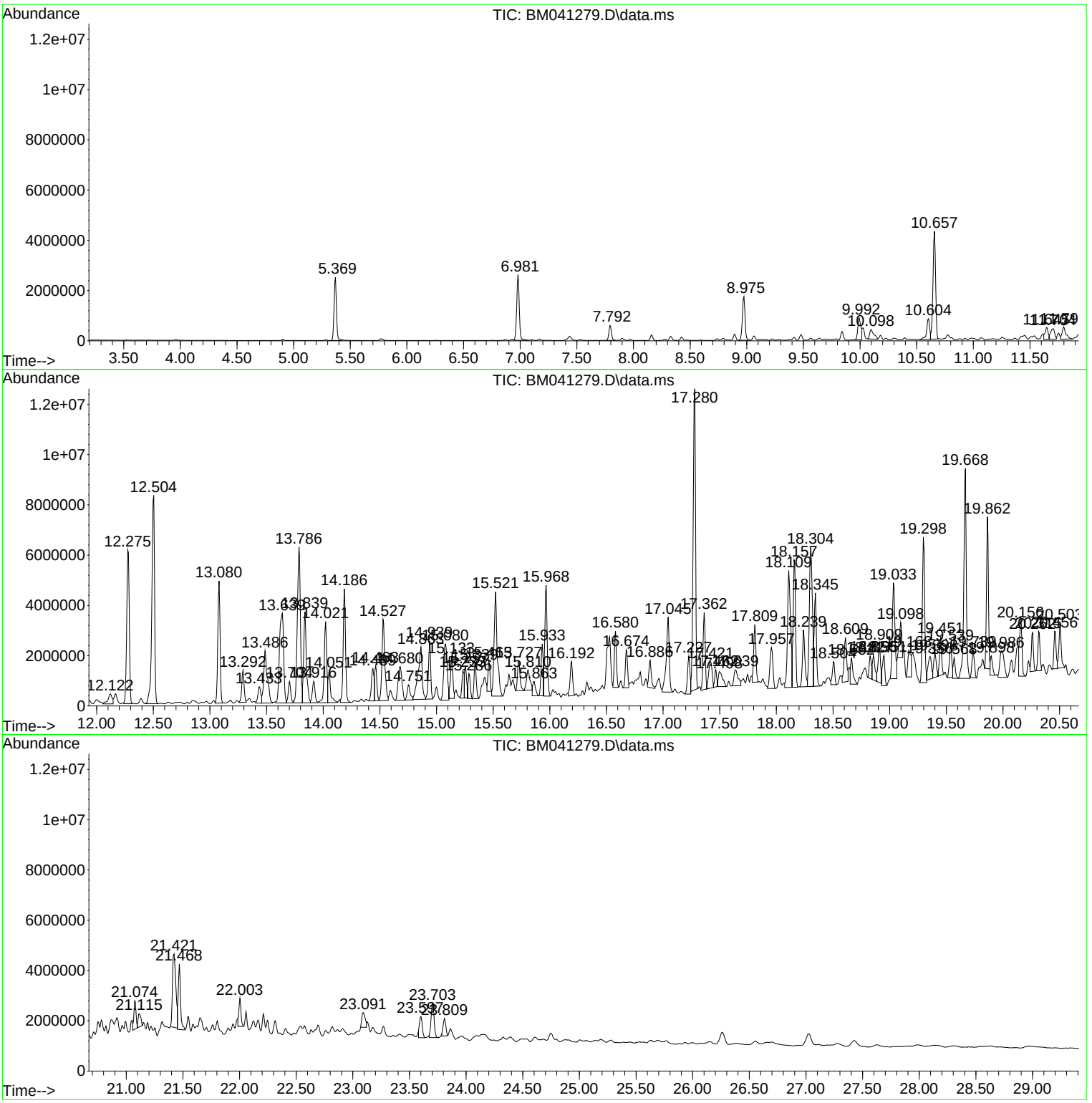
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
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Sample : 03862-02
Misc :
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Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

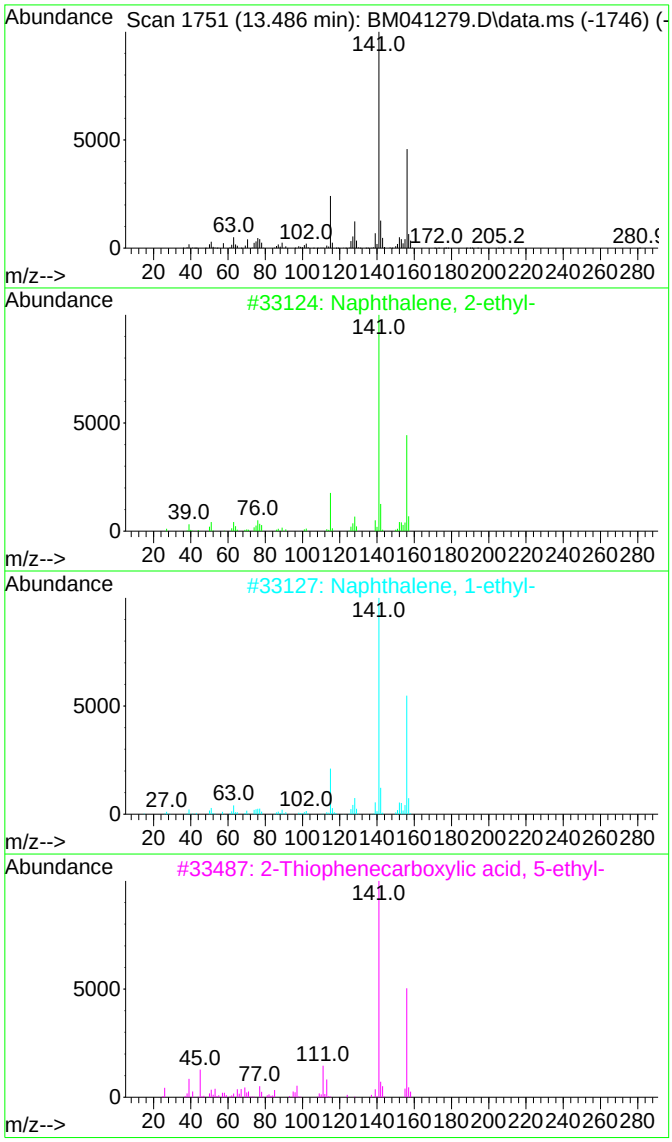
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

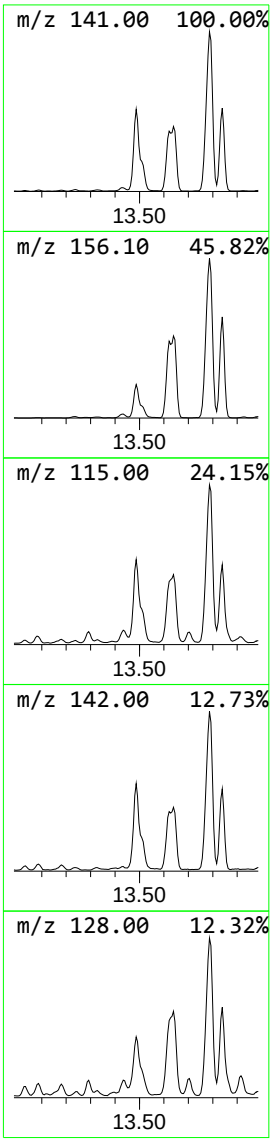
****

Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.486	54.82 ng	4616120	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	4-(Methylsulfinyl)phenol	156	C7H8O2S	014763-64-5	64
5	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
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Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

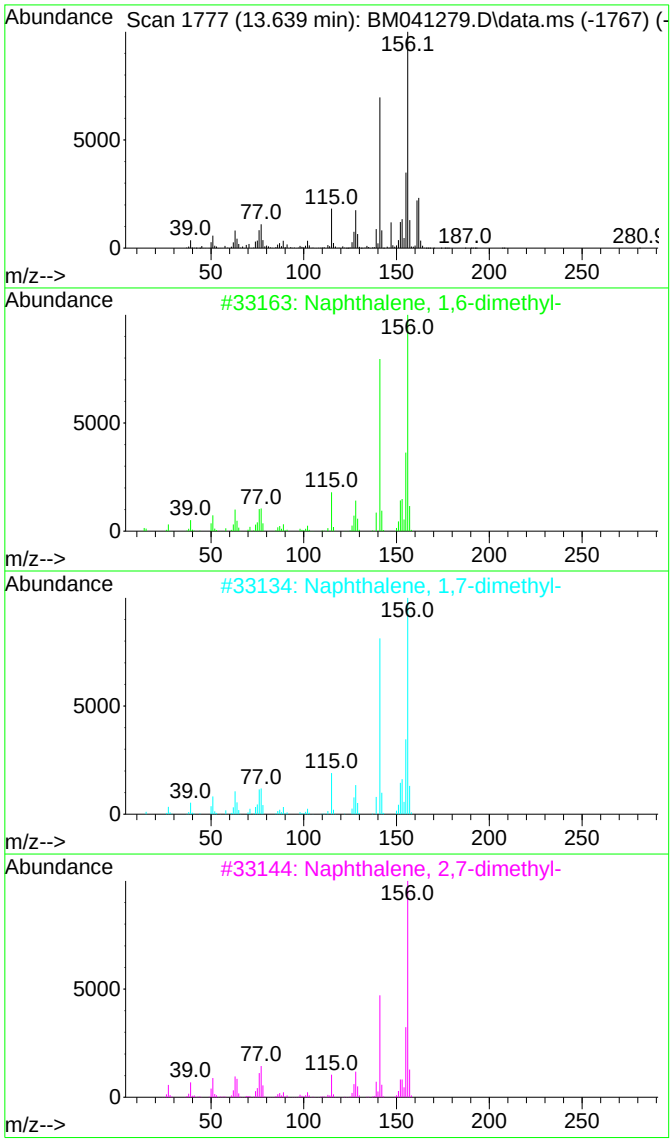
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

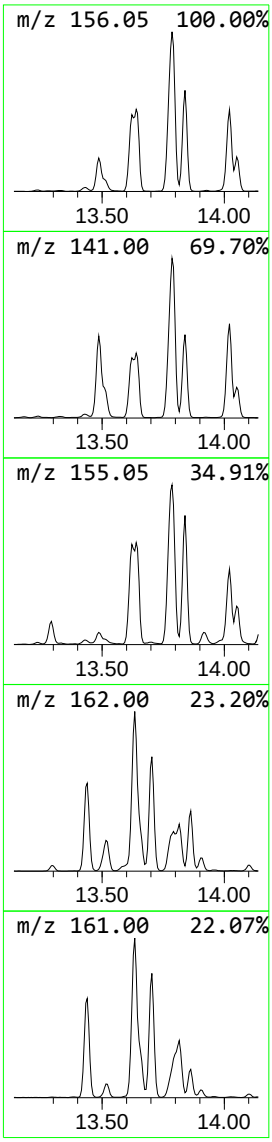
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.639	106.53 ng	8971030	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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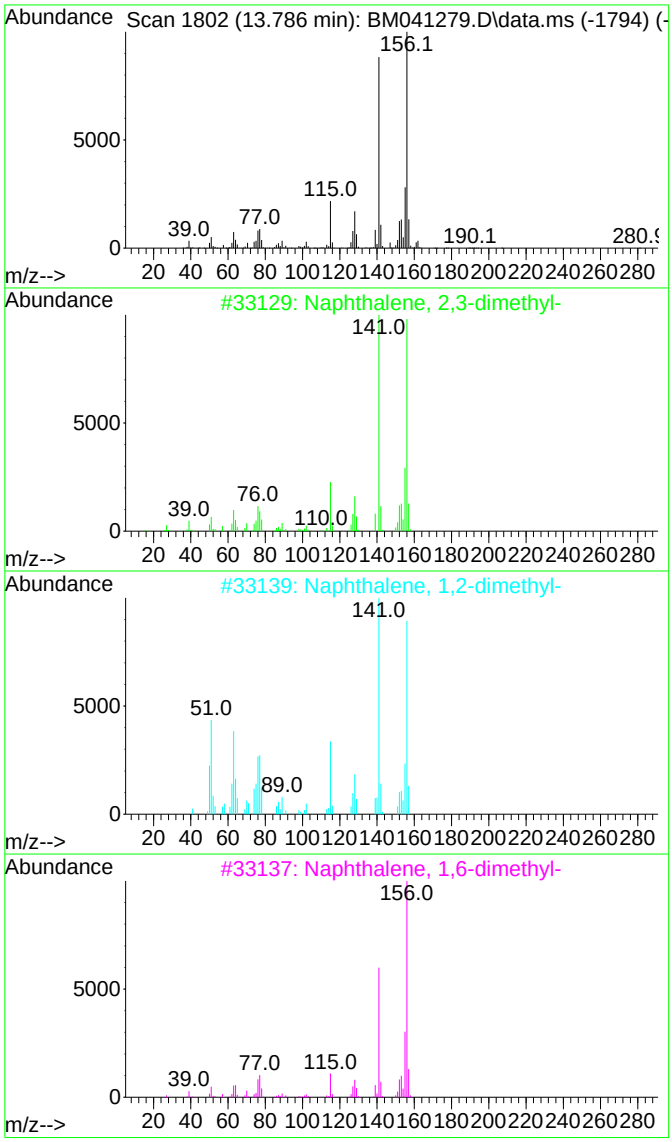
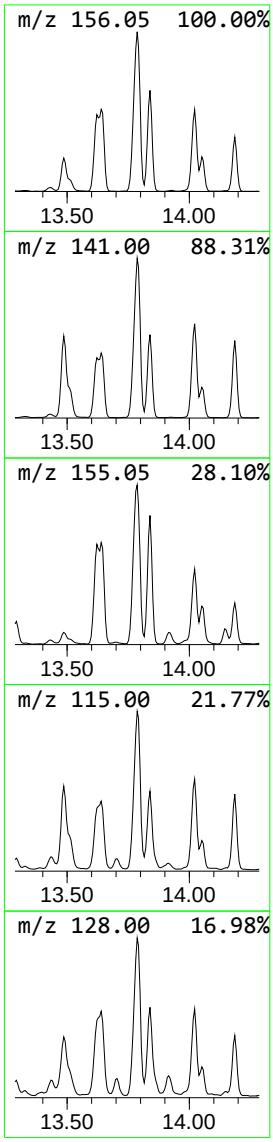
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	139.13 ng	11716100	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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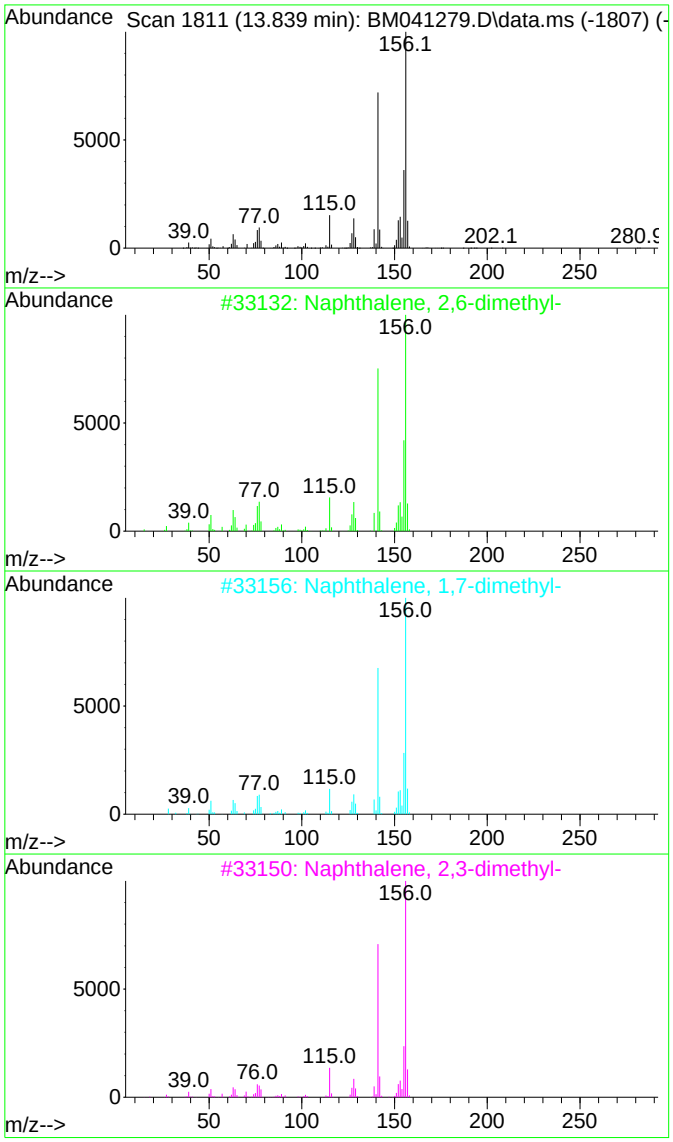
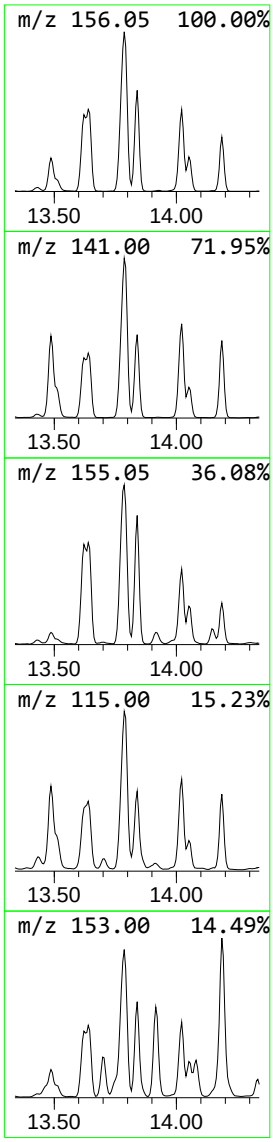
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	69.04 ng	5814210	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

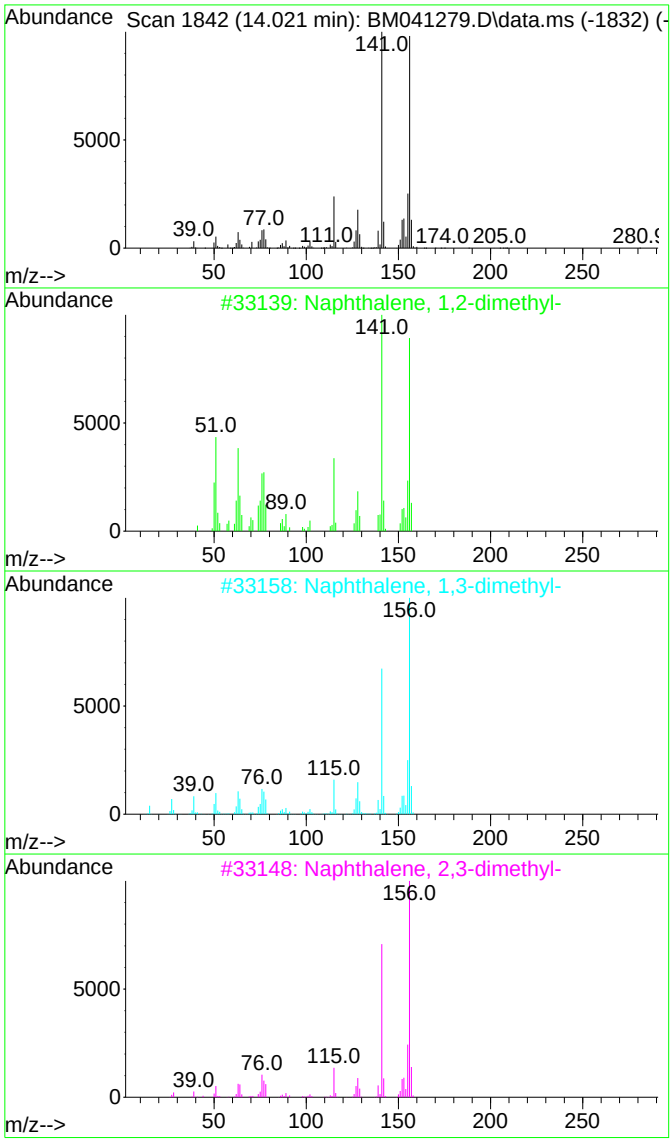
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

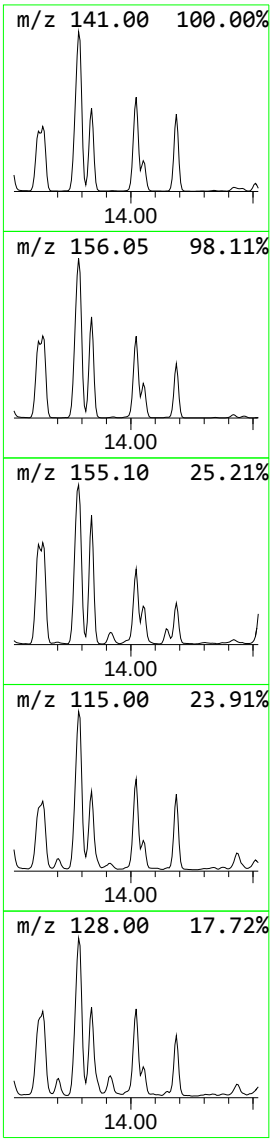
****

Peak Number 5 Naphthalene, 1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.022	59.39 ng	5001500	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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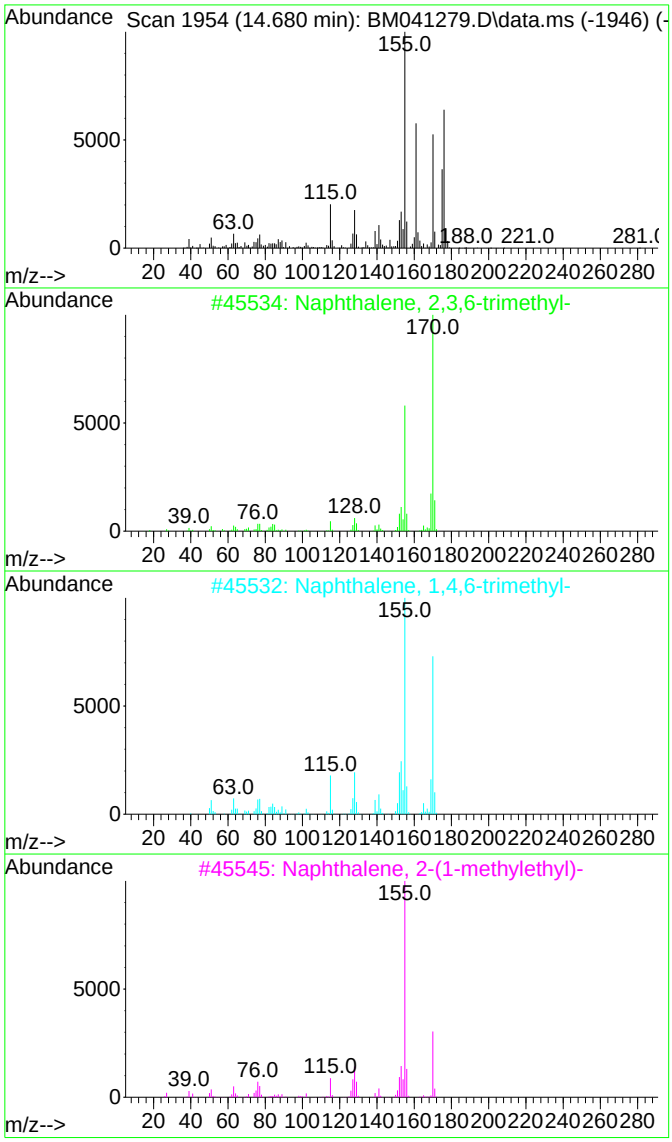
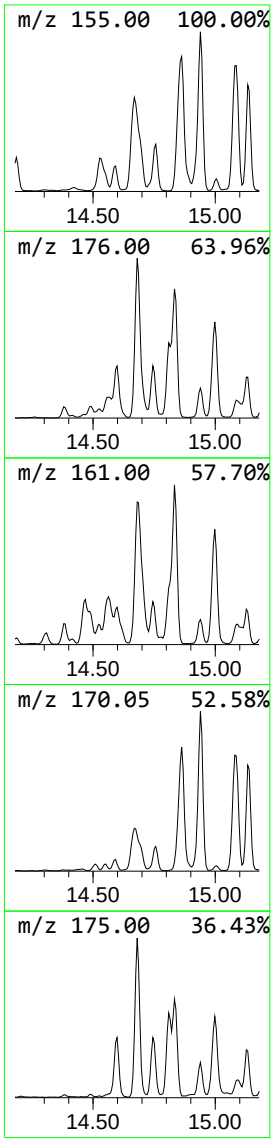
Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.680	37.30 ng	3141290	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	66
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	55
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	52
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	43





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Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

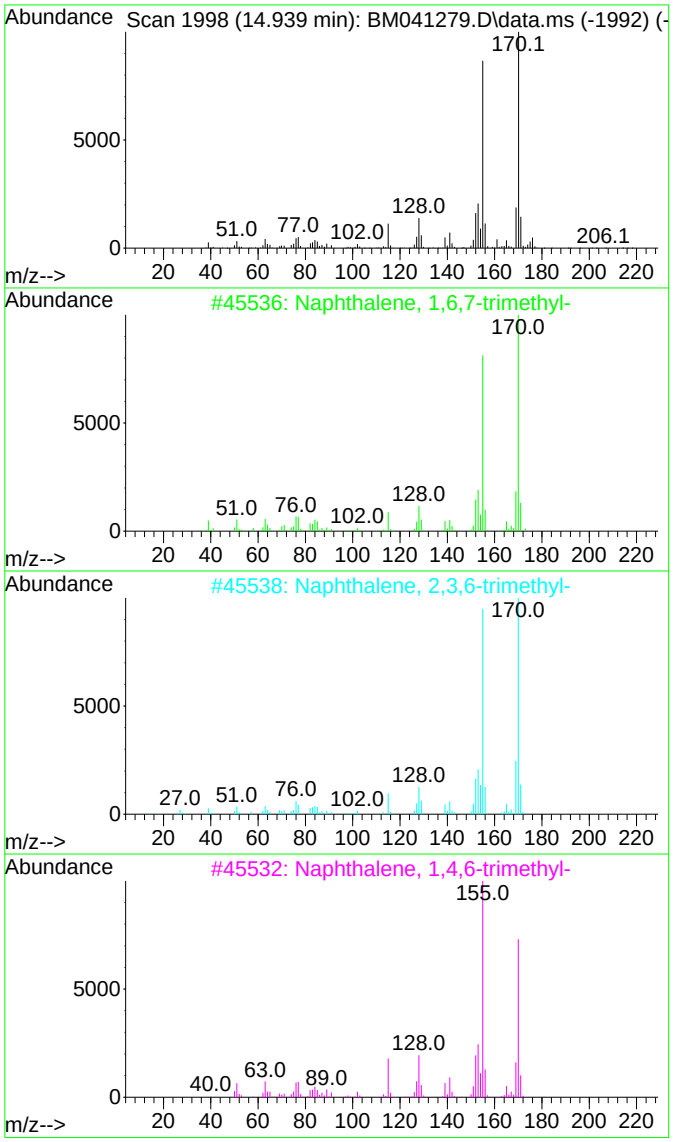
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

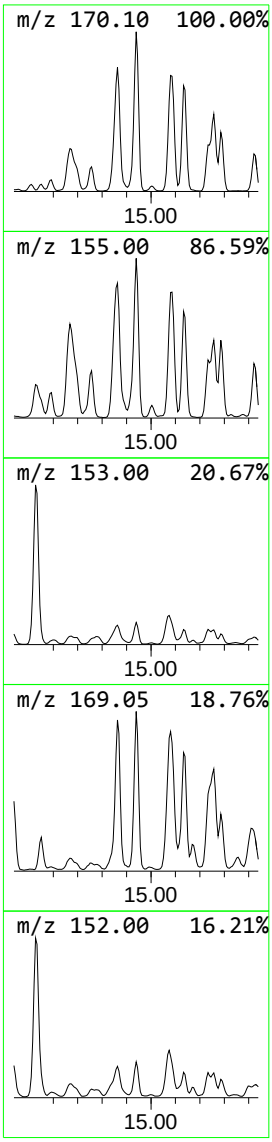
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.939	37.78 ng	3181350	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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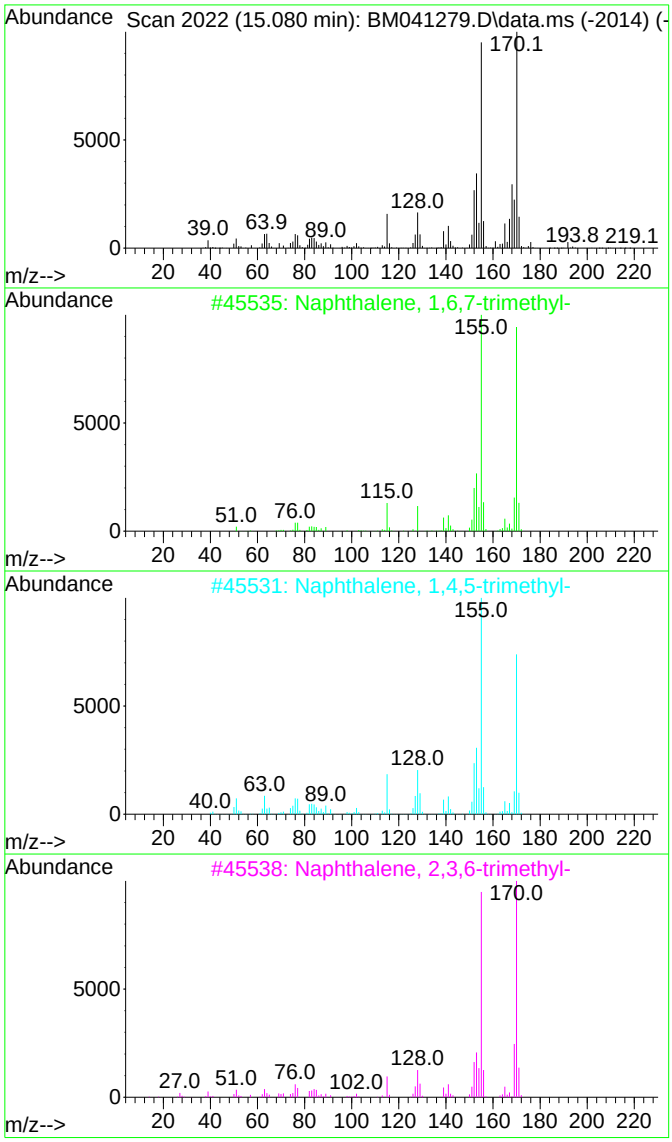
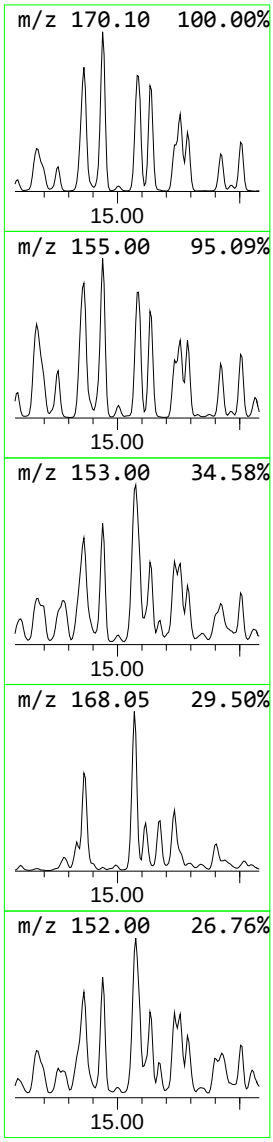
Peak Number 8 Naphthalene, 1,4,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	57.18 ng	4814810	Acenaphthene-d10	14.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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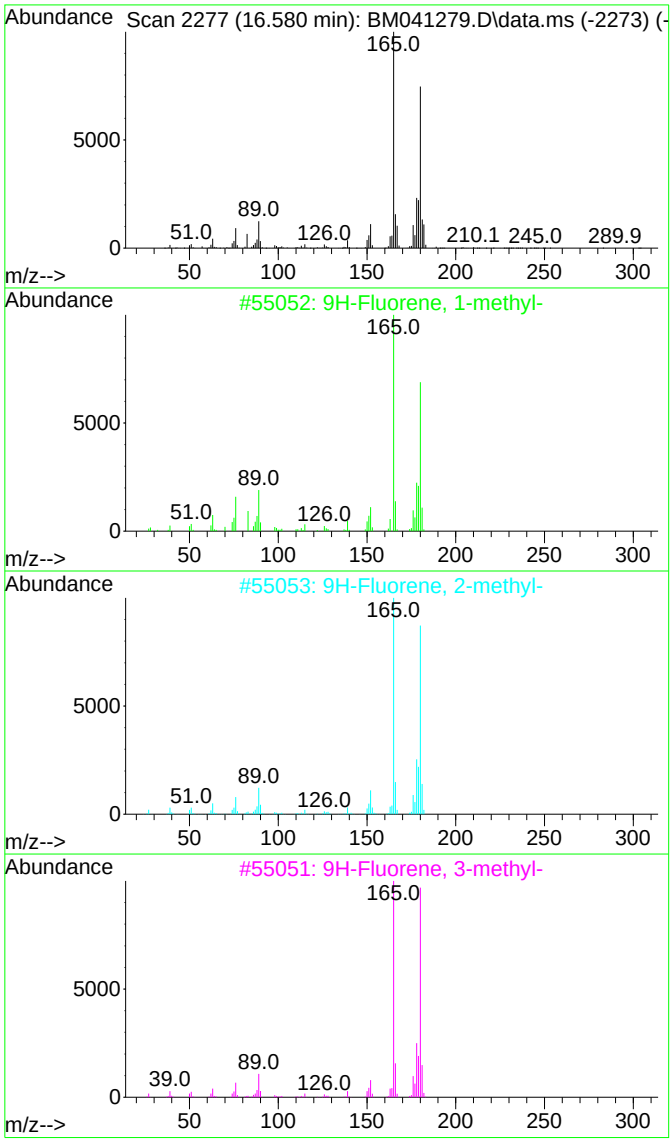
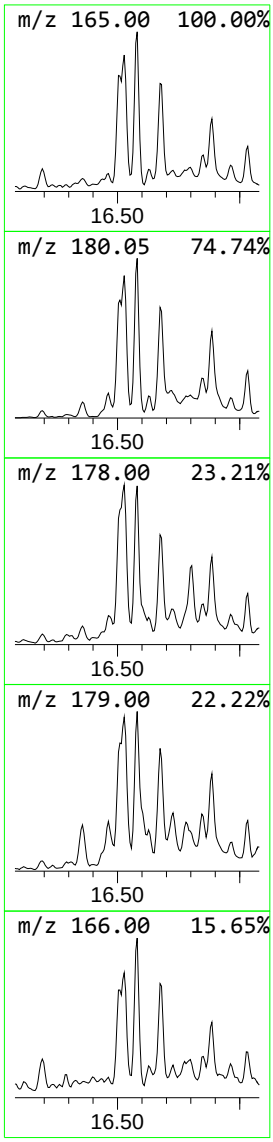
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.580	25.24 ng	2885020	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	Thiophene, 2-[(trimethylsilyl)et...	180	C9H12SSi	040231-03-6	58





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Operator : MA/JU
Sample : 03862-02
Misc :
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Instrument :
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ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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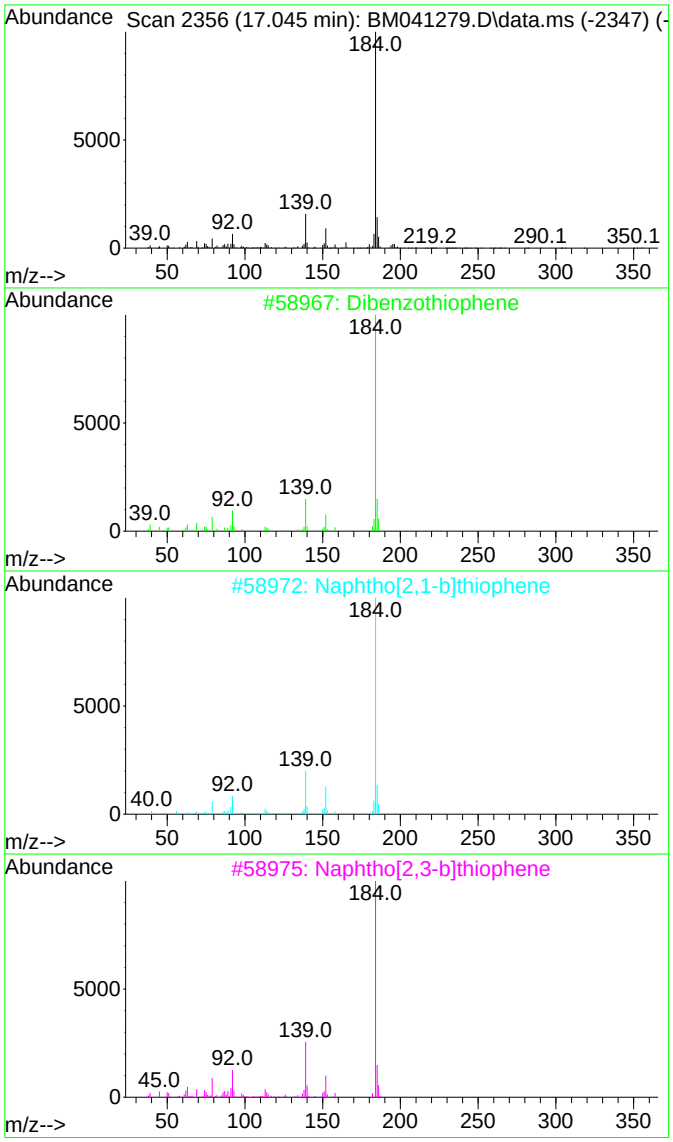
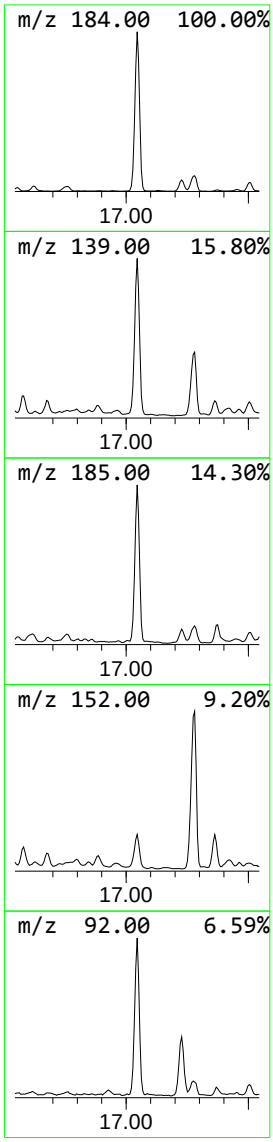
Peak Number 11 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	47.83 ng	5467680	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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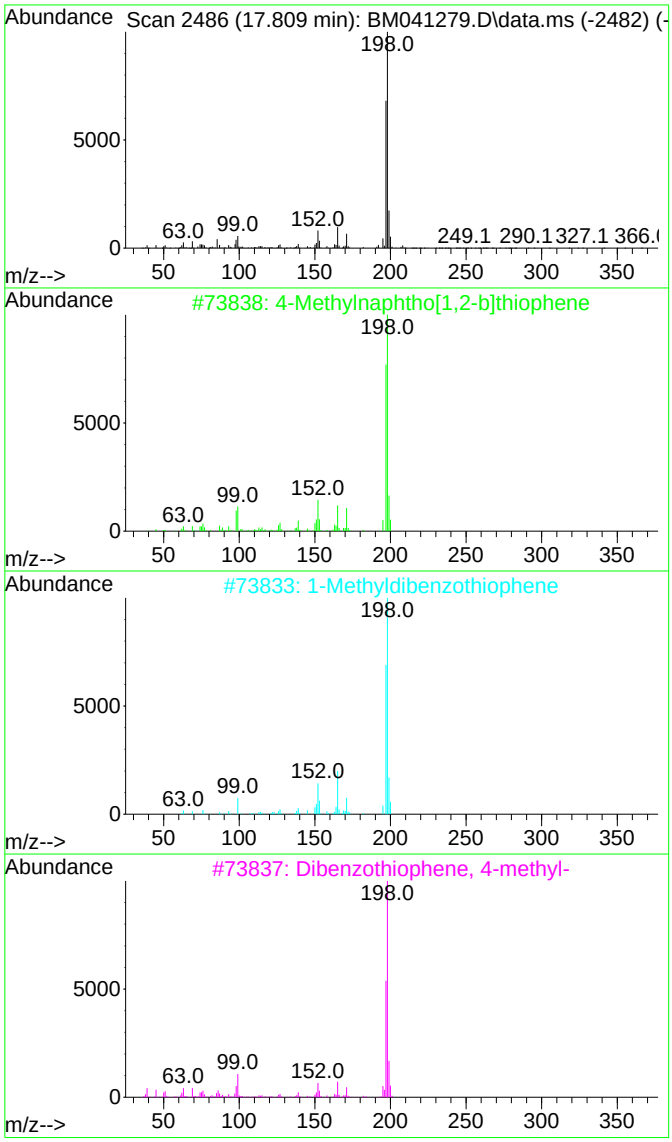
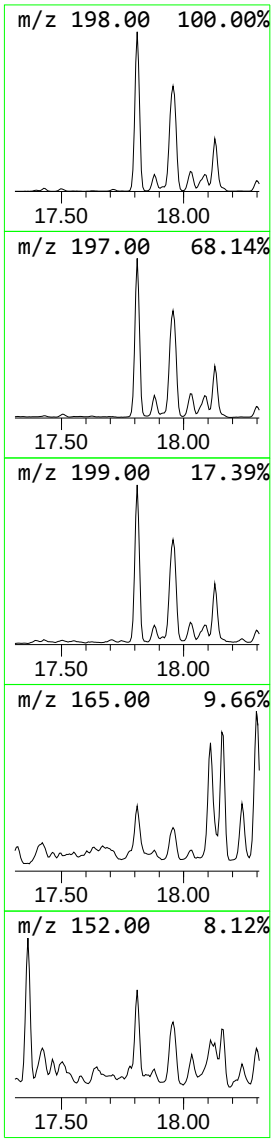
Peak Number 12 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.810	27.10 ng	3098240	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	86





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Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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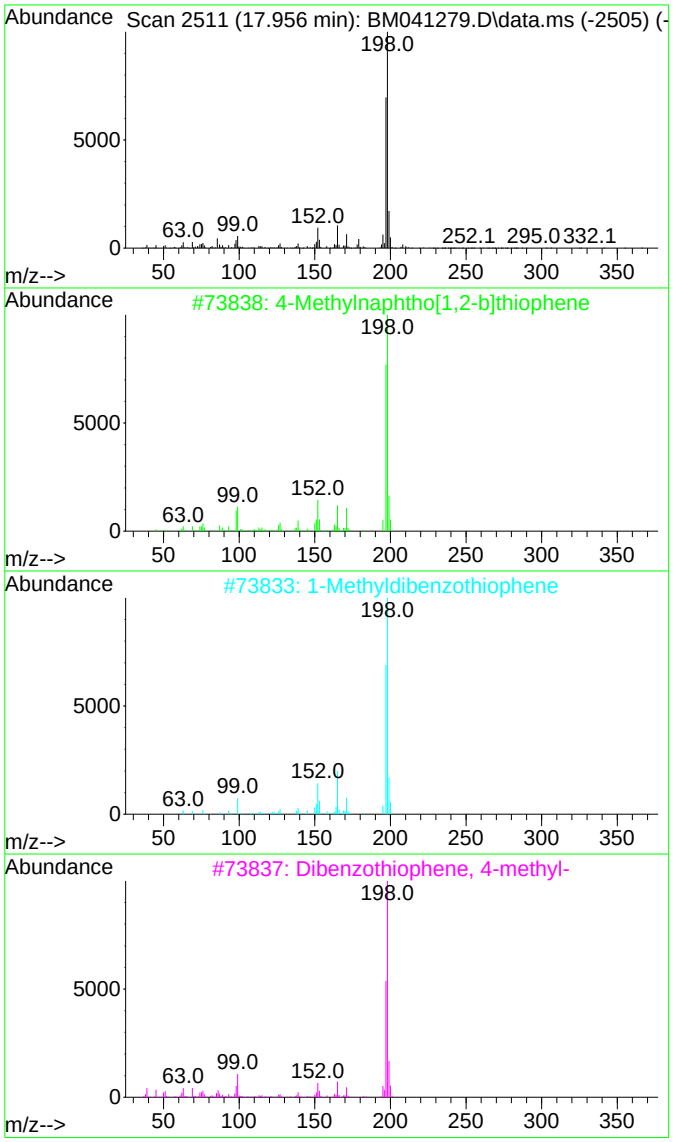
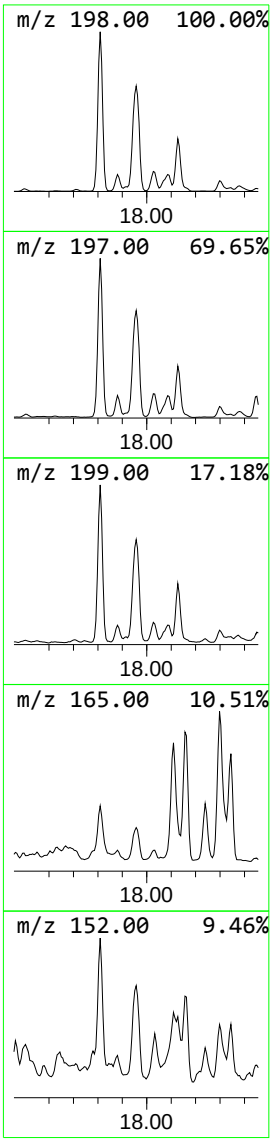
Peak Number 13 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.956	26.36 ng	3013580	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BUILDING-B-3-(5-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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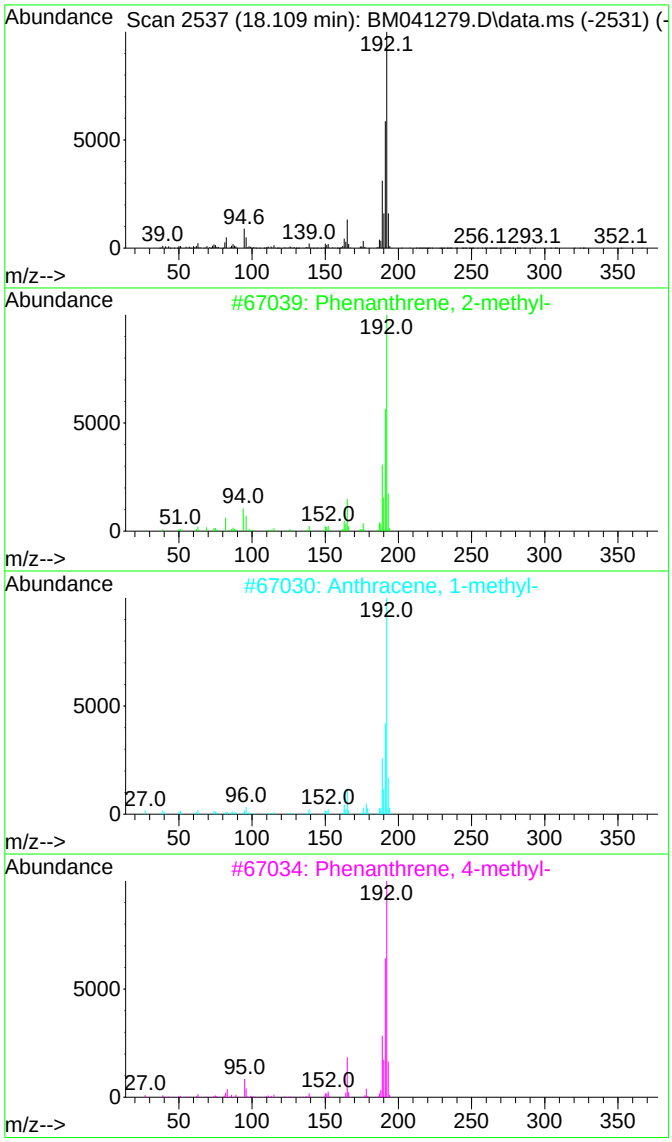
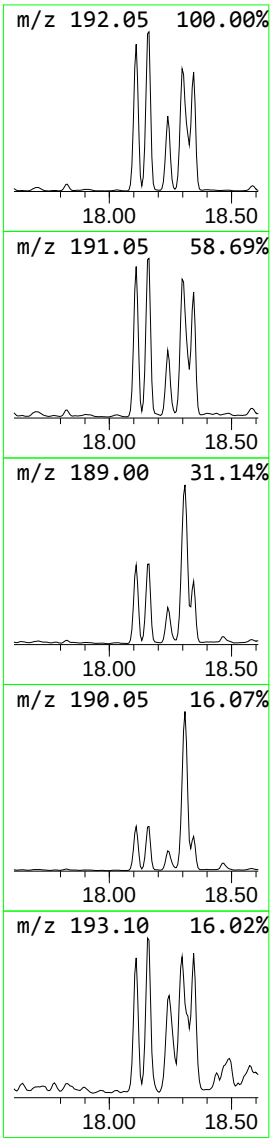
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.109	78.17 ng	8936490	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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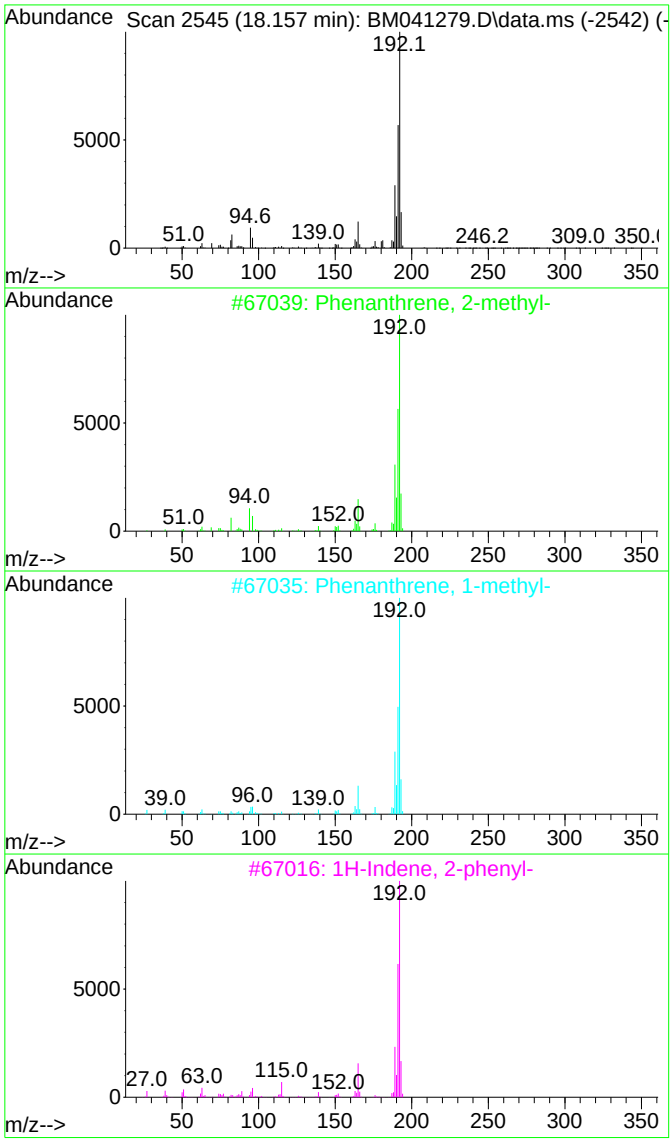
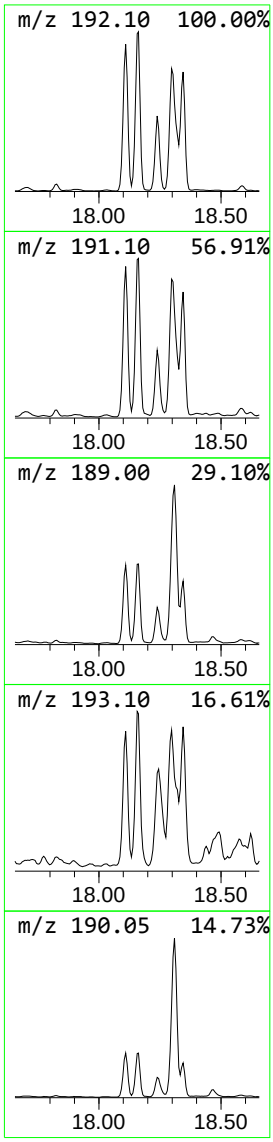
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	60.86 ng	6957630	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : 03862-02
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

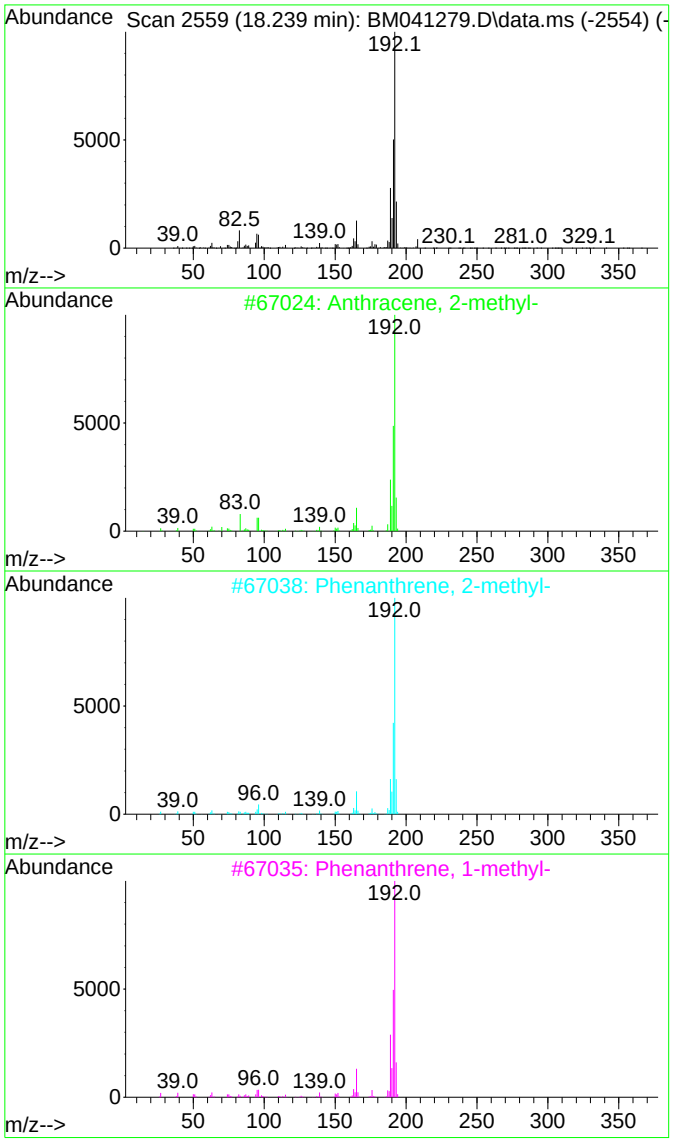
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

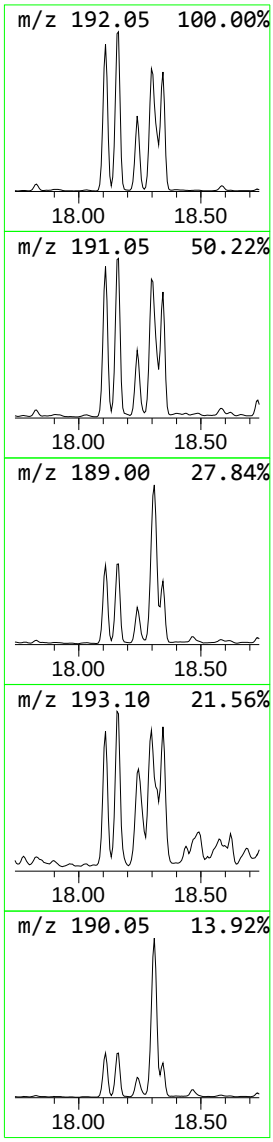
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	30.41 ng	3475950	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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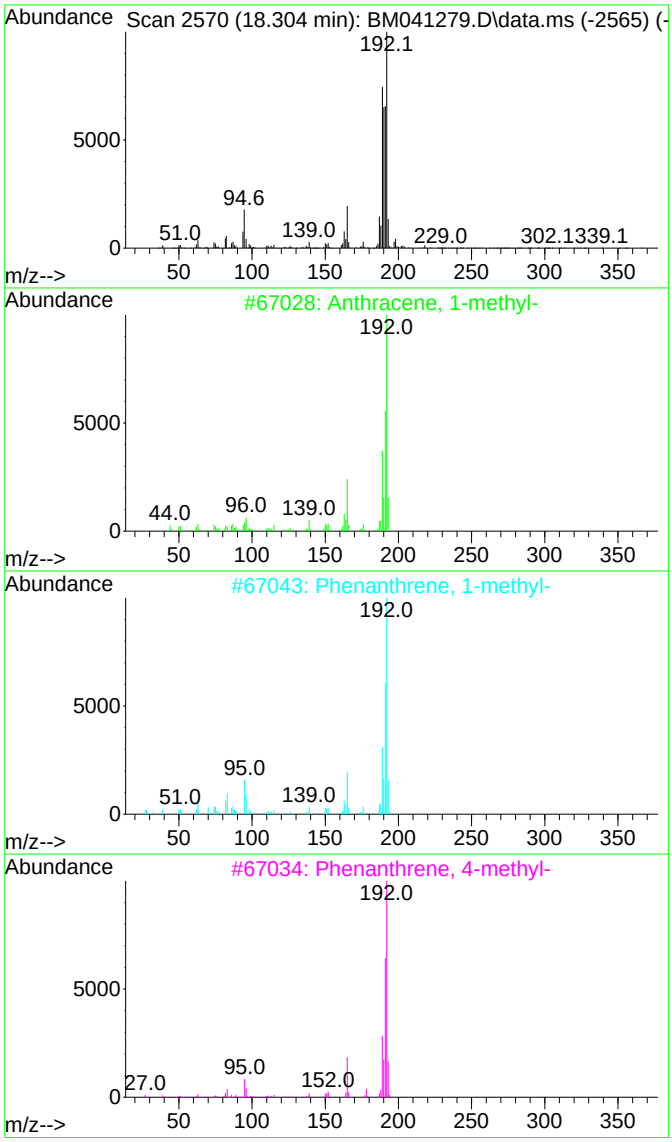
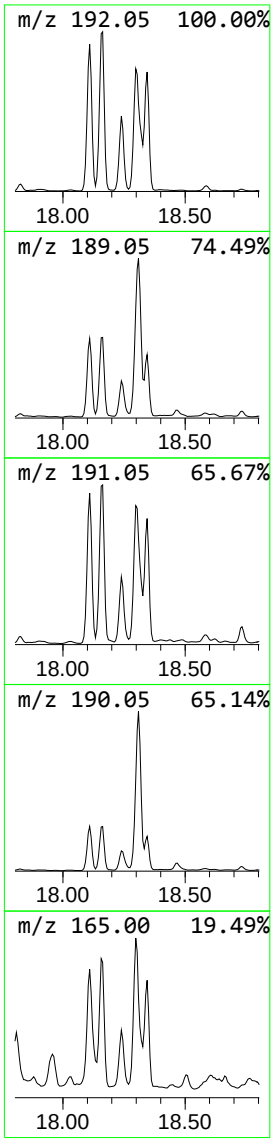
Peak Number 17 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	91.14 ng	10419100	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

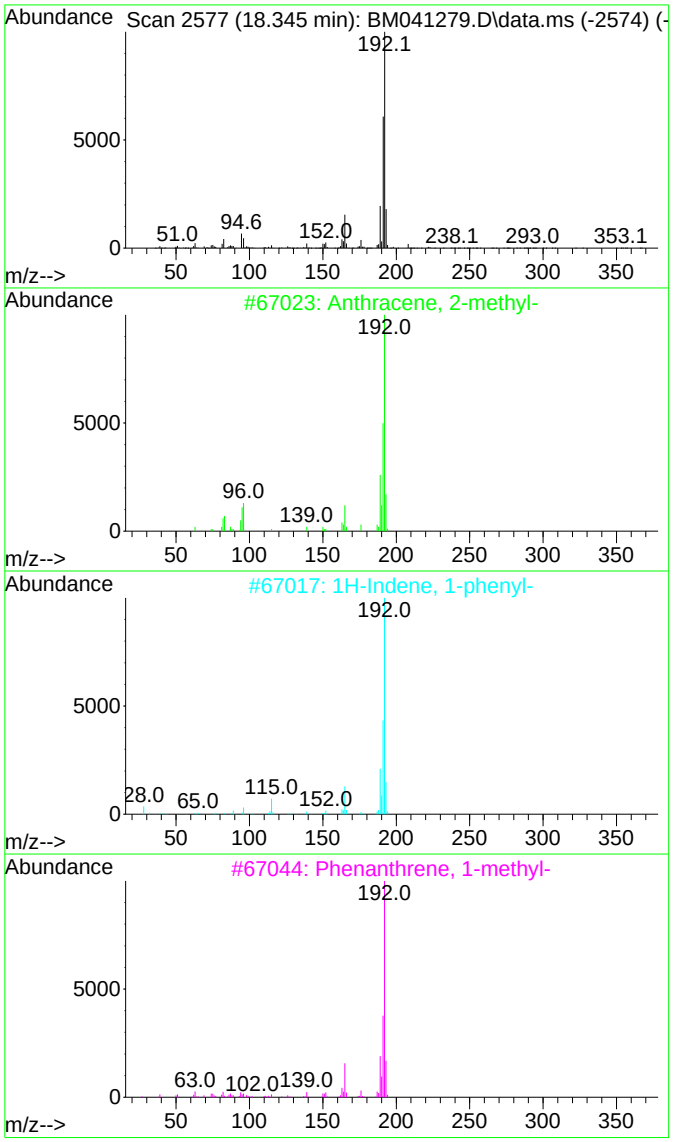
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

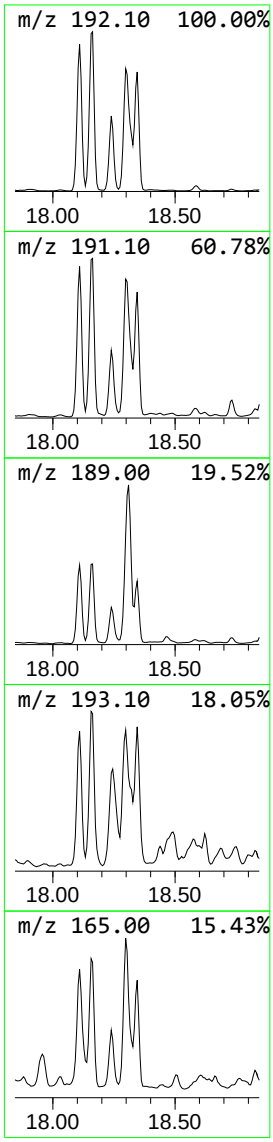
****

Peak Number 18 1H-Indene, 1-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.345	41.63 ng	4759420	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
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Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

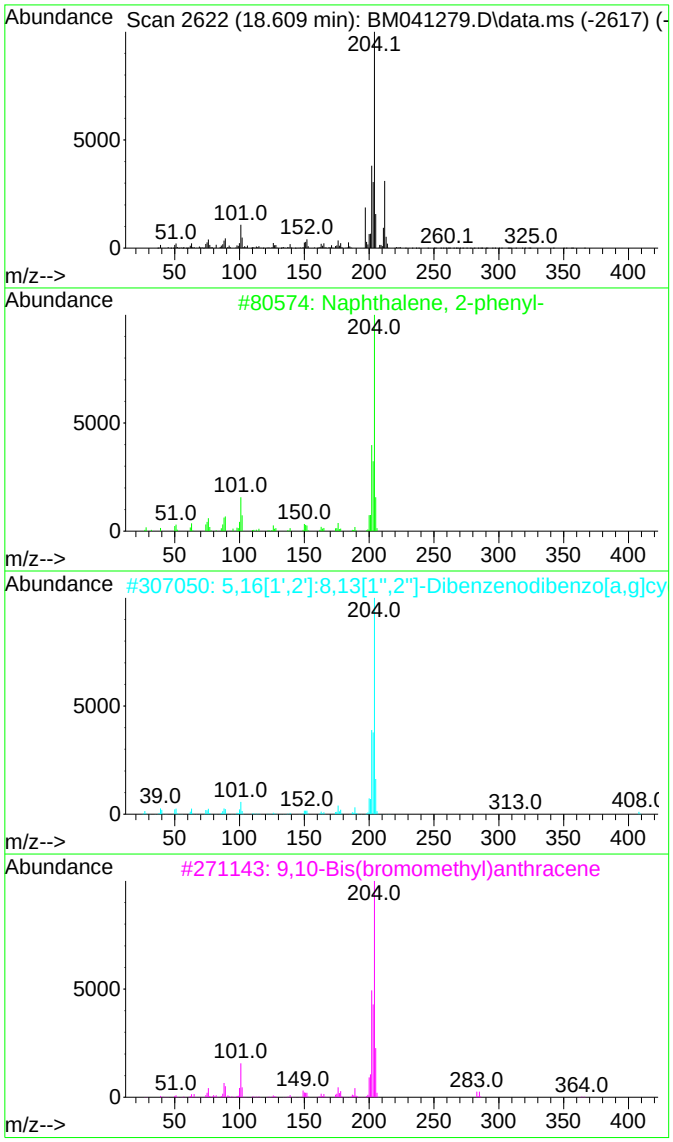
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

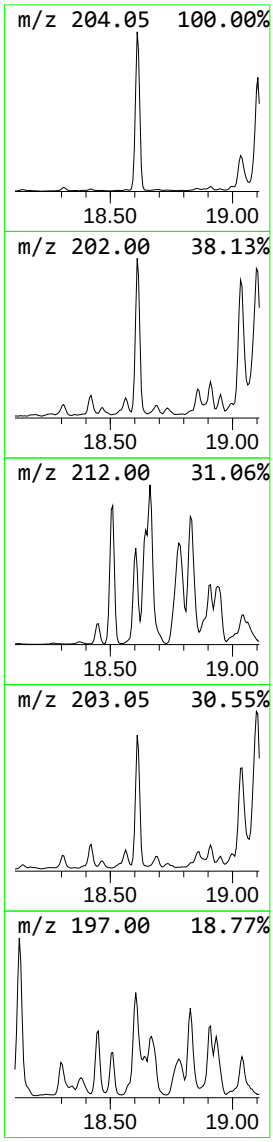
****

Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.609	25.07 ng	2865510	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

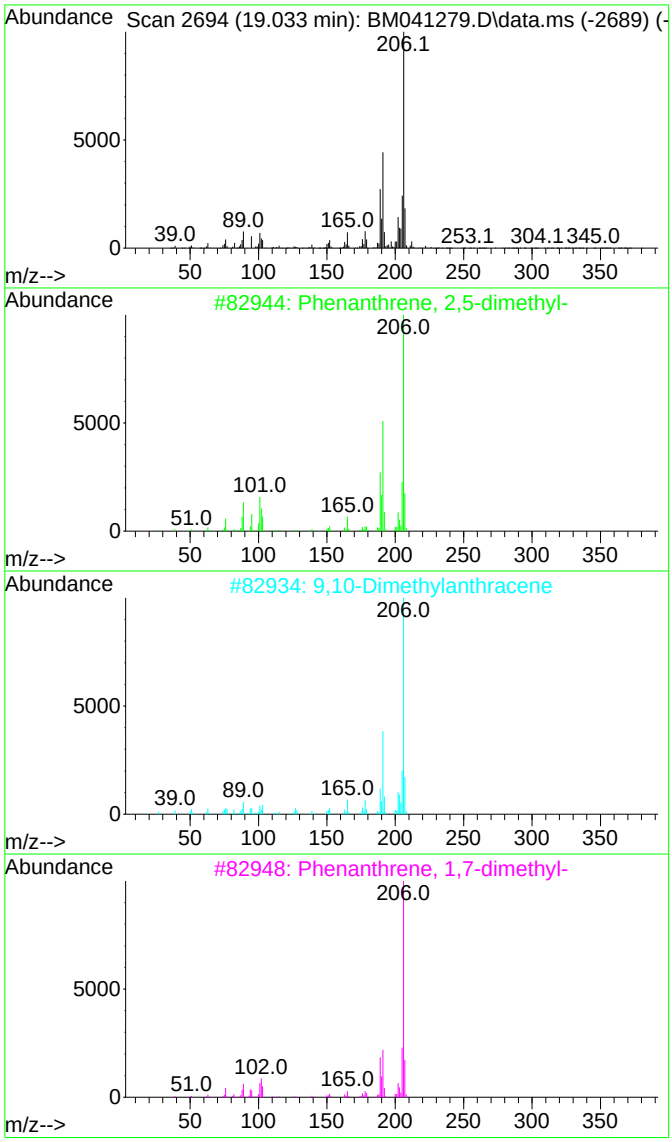
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

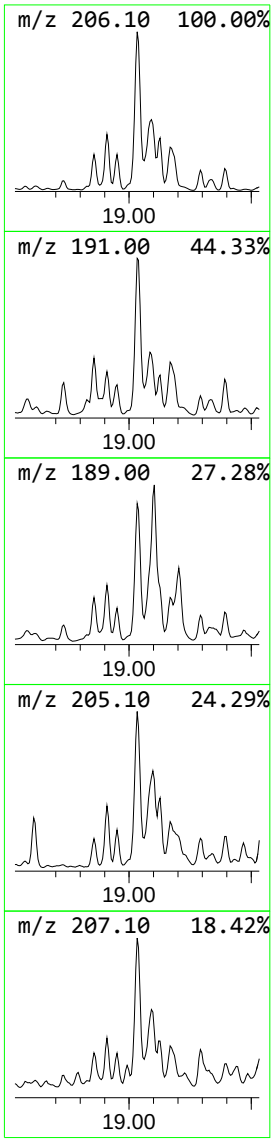
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.033	55.48 ng	6341910	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080323\
Data File : BM041279.D
Acq On : 04 Aug 2023 01:45
Operator : MA/JU
Sample : 03862-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BUILDING-B-3-(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2-...	13.486	54.8	ng	4616120	3	14.463	1684200	20.0
Naphthalene, 1,...	13.639	106.5	ng	8971030	3	14.463	1684200	20.0
Naphthalene, 2,...	13.786	139.1	ng	11716100	3	14.463	1684200	20.0
Naphthalene, 2,...	13.839	69.0	ng	5814210	3	14.463	1684200	20.0
Naphthalene, 1,...	14.022	59.4	ng	5001500	3	14.463	1684200	20.0
Naphthalene, 2,...	14.680	37.3	ng	3141290	3	14.463	1684200	20.0
Naphthalene, 1,...	14.939	37.8	ng	3181350	3	14.463	1684200	20.0
Naphthalene, 1,...	15.080	57.2	ng	4814810	3	14.463	1684200	20.0
9H-Fluorene, 1-...	16.580	25.2	ng	2885020	4	17.227	2286330	20.0
Dibenzothiophene	17.045	47.8	ng	5467680	4	17.227	2286330	20.0
4-Methylnaphtho...	17.810	27.1	ng	3098240	4	17.227	2286330	20.0
1-Methyldibenzo...	17.956	26.4	ng	3013580	4	17.227	2286330	20.0
Phenanthrene, 2...	18.109	78.2	ng	8936490	4	17.227	2286330	20.0
Phenanthrene, 1...	18.157	60.9	ng	6957630	4	17.227	2286330	20.0
Anthracene, 2-m...	18.239	30.4	ng	3475950	4	17.227	2286330	20.0
Anthracene, 1-m...	18.304	91.1	ng	10419100	4	17.227	2286330	20.0
1H-Indene, 1-ph...	18.345	41.6	ng	4759420	4	17.227	2286330	20.0
Naphthalene, 2-...	18.609	25.1	ng	2865510	4	17.227	2286330	20.0
Phenanthrene, 2...	19.033	55.5	ng	6341910	4	17.227	2286330	20.0